



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

# American Fern Journal

A QUARTERLY DEVOTED TO FERNS

Published by the

AMERICAN FERN SOCIETY



R. C. BENEDICT

Editor

E. J. WINSLOW

Managing Editor



VOLUME IV

1 9 1 4

AUBURNDALE, MASSACHUSSETS

## CONTENTS

### VOLUME 4, NUMBER 1, PAGES 1-40, ISSUED MARCH 30.

Braun's Holly Fern .....	<i>S. H. Burnham</i>	1
The Ferns of Washington (Plates 9-14)		
	<i>T. C. Frye and M. McM. Jackson</i>	6
A Family of Ferns New to the United States...	<i>W. R. Mazon</i>	15
Some ferns of Korea.....	<i>D. F. Higgins</i>	17
Fern Reprints received in 1913.....	<i>R. C. Benedict</i>	20
Notes and News.....		24
American Fern Society.....		29
American Fern Journal.....		33
Annual Report of the Society.....		34

### VOLUME 4, NUMBER 2, PAGES 41-76, ISSUED JUNE 9.

The Ferns of Washington (Plates 15-21)		
	<i>T. C. Frye and M. McM. Jackson</i>	41
Ferns and their Allies in southern Franklin County, Maine (Illust.).....	<i>C. H. Knowlton</i>	57
Ferns Collected in the Noyo R. Canyon, California...	<i>H. H. Tracy</i>	63
Ophioglossum Engelmanni in Missouri....	<i>E. J. Palmer</i>	65
Fern Hunting in Florida, in the Phosphate Country		
	<i>M. A. Noble</i>	64
Notes on the Pteridophytes of the North Shore of Lake Superior		
	<i>O. E. Jennings</i>	67
American Fern Society.....		74

### VOLUME 4, NUMBER 3, PAGES 77-108, ISSUED OCTOBER 6.

Some new American Species of Dryopteris...	<i>Carl Christensen</i>	77
Preliminary list of the ferns of the Coast Region of South Caro- lina north of Charleston.....	<i>Laura M. Bragg</i>	83
At Home with the Hart's Tongue (Illust.) ..	<i>R. C. Benedict</i>	95
A Peculiar Form of <i>Pellaea atropurpurea</i> ...	<i>F. L. Pickett</i>	97
American Fern Society.....		101

### VOLUME 4, NUMBER 4, PAGES 109-132, ISSUED DECEMBER 28.

The Ferns of the Brazos Canyon, New Mexico (Illust.)		
	<i>P. C. Standley</i>	109
Notes on the ferns of the Champlain Valley.....	<i>S. F. Blake</i>	116
Fern Nomenclature .....	<i>C. T. Druery</i>	119
What is the Habitat of <i>Ophioglossum vulgatum</i> ...	<i>R. C. Benedict</i>	121
Mr. Druery on Fern Nomenclature and on the Collection of Ferns for Herbarium Purposes.....	<i>R. C. Benedict</i>	123
American Fern Society.....		125
Index to Volume 4.....		127

- Bissell, C. H., List of members by States, 31
- Blake, S. F., Notes on the ferns of the Champlain valley, 115
- Blechnum occidentale*, 16; *spicant*, 45
- Bommeria*, 20
- Botrychium*, 60; *bilernatum*, 85; *brachystachys*, 24; *cicutarium*, 24; *dichronum*, 24; *lanceolatum*, 26; *lanceolatum* var. *angustisegmentum*, 61; *Lunaria*, 70; *obliquum*, 61, 85, 118; *obliquum* var. *dissectum*, 62, 118; *onondagense*, 70; *ramosum*, 26, 61; *silafolium*, 30, 64; *ternatum* var. *intermedium*, 62, 118; *ternatum* var. *rutaefolium*, 62; *virginianum*, 4, 23, 24, 62, 70, 86, 118; *virginianum*, var. *mexicanum*, 24
- Botrychium lanceolatum*, An unusual station for, 26
- Bracken, 89
- Bragg, L. M., Preliminary list of the ferns of the coast region of South Carolina north of Charleston, 83
- Brake, cliff, 97; common, 51; rock, 48
- Braun's holly fern, 1, 2
- Brazos canyon, New Mexico, The ferns of the, 109
- Broad beech fern, 92
- Buckler fern, 119
- Burnham, S. H., Braun's holly fern, 1
- Camptosorus*, 18, 19, 97, 116; *rhizophyllus*, 19, 116; *sibiricus*, 19
- Ceropteris*, 45; *triangularis*, 46, 47
- Chain-fern, 45, 92; net-veined, 90, 91; Virginia, 90
- Cheilanthes*, 23, 47; *Feei*, 46, 48; *gracillima*, 46, 48; *tomentosa*, 23, 32, 74
- Christensen, C., 21, 22, 23; Some new American species of *Dryopteris*, 77
- Christmas fern, 91
- Cinnamon fern, 86, 90, 92, 116
- Cleveland, G. F., 102
- Cliff-brake, 90, 97
- Clover fern, 55
- Club-moss, 93; fox-tail, 93; little, 93
- Clute, W. N., A correction, 26
- Coker, W. C., 83
- Common brake, 51
- Concerning the preservation of new forms of ferns, 24
- Correction, A, 26
- Creeping selaginella, 93
- Cryptogramma*, 48; *acrostichoides*, 46, 48, 49, 64, 112; *densa*, 46, 48, 49; *Stelleri*, 23, 71
- Cyathea*, 20
- Cystopteris*, 23, 61; *bulbifera*, 4, 96, 116; *fragilis*, 4, 24, 25, 115
- Deer fern, 45
- Dicksonia, 20, 27, 61; *punctilobula*, 4
- Dicranopteris*, 17; *flexuosa*, 15, 16, 17
- Druery, C. T., 25, 26; Concerning the preservation of new forms of ferns, 24; Fern nomenclature, 119
- Druery on fern nomenclature and the collection of ferns for herbarium purposes, Mr., 123
- Dryopteris*, 7, 18, 22, 23, 77, 119, 120, 123; **arborea**, 80; *Boottii*, 115; *brachypoda*, 78; *concinna*, 80; 115; *cyclocolpa*, 81; *dilatata*, 8, 9, 10; *Dryopteris*, 23; *ericaulis*, 23; *euchlora*, 80; *euchlora* var. *inequans*, 80; *filix-mas*, 6, 7, 10, 111; *floridana*, 85; *fragrans*, 71; *Glaziovii*, 80; *Goldiana*, 115; *hexagonoptera*, 92; **Jimenezii**, 79; *Linnaeana*, 23; *marginalis*, 115; *nephrodioides* var. *glandulosa*, 80; *nevadensis*, 30, 64; *noveboracensis*, 91, 92; *oligocarpa*, 80; *oregana*, 30; *oreopteris*, 7, 10; *pachyrachis*, 80; *patens*, 65, 66, 92; *Phegopteris*, 23; *ptilosula*, 80; *ptarmiciformis*, 80; *rigida*, 71, 72; *rigida* var. *arguta*, 64; *roraimensis*, 80; *rufa*, 80; *sagittata*, 78; *sagittata* var. *tenebrica*, 78; *scalpturoides*, 78; **Shaferi**, 77; *simulata*, 32; *spinulosa*, 71, 115; *spinulosa* var. *dilatata*, 71; *spinulosa* var. *intermedia*, 115; *straminea*, 81; *subandina*, 80; *supranitens*, 79; *tablaziensis*, 79; *Thelypteris*, 71, 92, 115; *trinidadensis*, 81
- Dryopteris*, Some new American species of, 77
- Duck-weed fern, 55

- Ebony spleenwort**, 90  
*Elaphoglossum Hornei*, 22  
 Elections, Report of the Judge of, 127  
 Engelmann's fern, 66  
*Equisetaceae*, 63  
*Equisetales*, 69  
*Equisetum*, 28, 62, 114; *arvense*, 28, 62, 69, 114, 118; *fluviatile*, 62, 70; *hyemale*, 28; *hyemale* var. *affine*, 62, 118; *hyemale* var. *affine* f. *polystachyum*, 118; *laevigatum*, 114; *limosum*, 28; *littorale*, 28, 62; *palustre*, 118; *scirpoides*, 62, 118; *sylvaticum*, 62, 69, 118, *variegatum*, 28; *variegatum* var. *Jesupi* f. *geminatum*, 118; *variegatum* var. *Jesupi* f. *multiram-eum*, 118  
*Equisetum*, Hybrids in, 27  
 Family of ferns new to the United States, A., 15  
 Fern, beech-, 92; broad beech-, 92; buckler-, 119; Christmas-, 91; cinnamon-, 86, 90, 92, 116; clover-, 55; deer-, 45; duck-weed-, 55; Engelmann's-, 66; floating-, 55, 93; Florida shield-, 90, 92; gold-back-, 47; hardy rock-, 29; lace-, 48; lady-, 90, 91, 92; licorice-, 53; long beech-, 92; maiden-hair-, 49; marsh-, 92; marsh shield-, 92; net-veined-, 90, 91; New York-, 91; oak-, 116, 119; rattlesnake-, 86; resurrection-, 86; royal-, 86, 92; sensitive-, 91; serrated-, 29; shield-, 120; swamp-, 41; Virginia chain-, 90  
 Fern hunting in Florida, in the phosphate country, 65; nomenclature-, 119; nomenclature and the collection of ferns for herbarium purposes, Mr. Druery on, 123; pickers, \$30,000 paid to, 28; reprints recently received, Some, 20  
 Ferns and their allies in southern Franklin Co., Maine, 57; collected in the Noyo River canyon, Mendocino Co., Cal., 64; for herbarium purposes, Mr. Druery on fern nomenclature and the collection of, 123; new to the United States, A family of, 15; of Korea, Some, 17; of the Brazos canyon, New Mexico, The, 109; of the Champlain valley, Notes on the, 115; of the coast region of South Carolina north of Charleston, Preliminary list of the, 83; of Washington, The, 7, 41  
*Filicales*, 70  
*Filix bulbifera*, 72; *fragilis*, 65, 72, 112  
 Floating fern, 55, 93  
 Florida shield-fern, 90, 92  
 Frye, T. C., and Jackson, M. McM., The ferns of Washington, 7, 41  
 Gibbes, L. R., 83  
*Gleichenia*, 17; *flexuosa*, 17; *rigida*, 17  
*Gleicheniaceae*, 15, 16  
 Gold-back fern, 47  
 Goldie's fern, 3  
*Goniopteris*, 80, 81  
*Gymnopteris triangularis*, 47, 64  
 Harper, R. M., 84  
 Hart's tongue, 95, 96, 97  
 Hart's tongue, At home with the, 95  
 Higgins, D. F., Some ferns of Korea, 17  
 Hopkins, L. S., Herbarium notes, 29; Report of the Curator, 39; Report of the Secretary for 1913, 36  
 Hybrids in *Equisetum*, 27  
*Isoetaceae*, 63  
*Isoetes*, 63; *echinospora* var. *Braunii*, 63; *lacustris*, 65; *riparia*, 104, 105  
 Jackson, M. McM., T. C. Frye and, The ferns of Washington, 7, 41  
 Jennings, O. E., Notes on the pteridophytes of the north shore of Lake Superior, 68  
 Kaufman, P., Report of the Judge of Elections, 127  
 Knight, O. W., 75  
 Knowlton, C. H., Ferns and their allies in southern Franklin Co., Maine, 57  
 Lace fern, 48  
 Lady fern, 90, 91, 92  
*Lastrea*, 77, 79, 80, 119, 123  
 Leather-leaf polypod, 53  
 Licorice fern, 53

- Lomaria*, 43; *Spicant*, 44, 45  
*Lorinseria areolata*, 91  
*Lycopod*, 119  
*Lycopodiaceae*, 63  
*Lycopodiales*, 68  
*Lycopodium*, 20; *adpressum*, 85, 93; *alopecuroides*, 93; *annotinum*, 23, 62, 68; *annotinum*, var. *pungens*, 62; *carolinianum*, 93; *clavatum*, 62, 69, 119; *clavatum* var. *megastachyon*, 62, 119; *complanatum*, 62, 69; *complanatum* var. *flabelliforme*, 63, 119; *inundatum*, 62, 119; *lucidulum*, 62, 68, 85, 119; *obscurum*, 62, 119; *obscurum* var. *dendroideum*, 62, 69, 119; *sablinae-folium*, 62; *selaginoides*, 69; *Selago*, 119; *tristachyum*, 63, 119  
*Lygodium*, 20; *palmatum*, 4
- Maidenhair fern**, 49  
**Male fern**, 7  
**Marsh fern**, 92  
**Marsh shield-fern**, 92  
*Marsilia*, 55; *vestita*, 55, 56  
*Marsiliaceae*, 55  
*Matteuccia*, 23; *orientalis*, 23; *Struthiopteris*, 23, 73  
**Maxon, W. R.**, 20; A family of ferns new to the United States, 15  
*Mertensia flexuosa*, 17; *rigida*, 17  
**Mountain wood-fern**, 19
- Nephrodium*, 119, 123; *cristatum* x *Goldianum*, 105; *Kuhnii*, 21  
**Net-veined chain-fern**, 91  
*Neurogramma triangularis*, 47  
**New Mexico**, The ferns of the Brazos canyon, 109  
**New York fern**, 91  
**Noble, M. A.**, Fern hunting in Florida, in the phosphate country, 65  
**Nomenclature, Fern**, 119  
**Notes and news**, 24  
**Notes on the ferns of the Champlain valley**, 115  
**Notes on the pteridophytes of the north shore of Lake Superior**, 68  
**Noyo River canyon, Mendocino Co., Cal.**, Ferns collected in the, 64
- Oak-fern**, 116, 119  
*Odontosoria*, 20; *clavata*, 20  
*Onoclea*, 19, 61; *orientalis*, 19; *sensibilis*, 4, 18, 19, 61, 73, 91, 104, 115; *sensibilis* var. *obtusilobata*, 61; *Struthiopteris*, 19, 61, 115  
*Ophioglossaceae*, 63, 122  
*Ophioglossales*, 70  
*Ophioglossum*, 67, 121, 122; *californicum*, 30; *crotalophoroides*, 86; *Engelmanni*, 40, 122; *vulgatum*, 61, 67, 85, 121  
*Ophioglossum Engelmanni* in Missouri, 66  
*Ophioglossum vulgatum*, What is the habitat of, 121  
*Osmunda*, 18, 61; *cinnamomea*, 5, 18, 61, 86, 116, 118; *cinnamomea* f. *angusta*, 116; *cinnamomea* f. *bipinnatifida*, 117, 118; *cinnamomea* f. *cornucopiasfolia*, 117; *cinnamomea* f. *frondosa*, 117, 118; *cinnamomea* f. *incisa*, 117, 118; *cinnamomea* f. *lappetipinnula*, 117, 118; *cinnamomea* f. *trifolia*, 117, 118; *cinnamomea* var. *auriculata*, 117; *cinnamomea* var. *frondosa*, 61; *cinnamomea* var. *glandulosa*, 116; *cinnamomea* var. *incisa*, 61; *Claytoniana*, 18, 70, 115; *regalis*, 18, 66, 70, 86, 115; *regalis* f. *interrupta*, 118  
*Osmundaceae*, 61, 63
- Palmer, E. J.**, *Ophioglossum Engelmanni* in Missouri, 66  
*Pellaea*, 47; *atropurpurea*, 63, 90, 97, 98, 101, 116; *atropurpurea* var. *Bushii*, 116; *brachyptera*, 30, 64; *densa*, 49, 64; *glabella*, 101; *occidentalis*, 46, 47  
*Pellaea atropurpurea*, A peculiar form of, 97  
*Phegopteris alpestris*, 12; *Dryopteris*, 4, 18, 58, 71, 116; *hexagonoptera*, 58, 116; *Phegopteris*, 70, 92; *polypodioides*, 4, 58, 116  
*Phlebodium aureum*, 65  
*Phyllitis*, 32, 94  
**Pickett, F. L.**, A peculiar form of *Pellaea atropurpurea*, 97  
**Polypod**, 53; **leather-leaf**, 53  
*Polypodiaceae*, 19, 63  
*Polypodium*, 19, 51, 112; *cycloclolpum*, 82; *falcatum*, 64; *hesperium*, 53, 54, 111; *occidentale*, 53, 54; *polypodioides*, 32, 86; *prasinum*,

- 82, *Scouleri*, 53, 54; *trinidadense*, 81; *vulgare*, 4, 58, 64, 70, 86, 115; *vulgare* var. *perpusillum*, 111
- Polypody, common, 86
- Polystichum*, 9, 23, 120; *acrostichoides*, 60, 65, 91, 115; *aculeatum*, 64; *Braunii*, 1, 23, 32, 60; *californicum*, 30, 64; *Lemmoni*, 9, 11, 13, 14, 30, 64; *Lonchitis*, 9, 12, 13, 74; *munitum*, 9, 11, 12, 13, 64; *munitum imbricans*, 11, 13; *scopulinum*, 9, 11, 13
- Porcher, F. P., 84
- Preliminary list of the ferns of the coast region of South Carolina north of Charleston, 83
- Prickly shield-fern, 3
- Psilotum nudum*, 93
- Pteridium*, 51; *aquilinum*, 71, 87, 89; *aquilinum caudatum*, 65; *aquilinum pseudocaudatum*, 90; *aquilinum pubescens*, 50, 51, 52, 64, 112
- Pteridophytes of the north shore of Lake Superior, Notes on the, 68
- Pteris*, 19, 61, 87, 89, 121; *aquilina*, 4, 19, 88, 115; *caudata*, 90; *cretica*, 88, 89; *multifida*, 87, 89; *serrulata*, 87, 88, 89, 90
- Purdum, W., 23
- Radlo, D. A., Report of the Judge of elections, 38
- Rattlesnake fern, 86
- Ravenel, H. W., 83
- Report of the Curator, 39; of the Judge of elections, 38, 127; of the President, 34; of the Secretary for 1913, 36; of the Treasurer, 38
- Resurrection fern, 86
- Rock brake, 48
- Royal fern, 86, 93
- Rugg, H. G., Report of the Treasurer, 38
- Rush, scouring, 62
- Salvinia*, 55
- Salvinia*aceae, 55
- Schizaea*, 32, 74, 121
- Scott, J. G., The annual field meeting, 103
- Scouring rush, 62
- Selaginella*, 63, 119; *acanthonota*, 85; *apus*, 92, 93; *rupestris*, 119; *Underwoodii*, 114
- Selaginella*, creeping, 93
- Sensitive fern, 91
- Seychelles islands, 21
- Shield-fern, 120; Florida, 90, 92; marsh, 92
- Some fern reprints recently received, 20
- Some ferns of Korea, 17
- Some new American species of *Dryopteris*, 77
- South Carolina north of Charleston, Preliminary list of the ferns of, of the coast region of, 83
- Sphenomeris*, 20
- Spleenwort, ebony, 90
- Standley, P. C., The ferns of the Brazos canyon, New Mexico, 109
- Stigmatopteris*, 82, 83; *Carrii*, 91; *contracta*, 83; *cyclocolpa*, 82, 83; *prasina*, 82, 83
- Struthiopteris germanica*, 4; *spicant*, 45, 64
- Swamp fern, 41
- The annual field meeting, 103
- The fern garden, 74
- The ferns of the Brazos canyon, New Mexico, 109
- The ferns of Washington, 7, 41
- Thirty thousand dollars paid to fern pickers, 28
- Tidestrom, I., 23
- Tracy, H. H., Ferns collected in the Noyo river canyon, Mendocino Co., Cal., 64
- Virginia chain-fern, 90
- Ware, R. A., Report of the President, 34
- Washington, The ferns of, 7, 41
- What is the habitat of *Ophioglossum vulgatum*, 121
- Winslow, E. J., An unusual station for *Botrychium lanceolatum*, 26
- Wood fern, mountain, 9, 10
- Woodsia alpina*, 73; *glabella*, 73; *ilvensis*, 4, 61, 73, 115; *mexicana*, 112; *obtusa*, 5; *rufidula*, 92; *scopulina*, 112
- Woodwardia*, 45; *areolata*, 65, 66; *radicans*, 64; *spinulosa*, 44, 45; *virginica*, 58, 65, 66